**To:** Nguyen, Lyndsey[Nguyen.Lyndsey@epa.gov]
**From:** Daly, Eric
**Sent:** Mon 2/8/2016 1:59:11 PM
**Subject:** NFB Checklist
NFB_DCGLs_DRAFT_MEMO_020519.docx
Niagara Falls Boulevard Action Memo EMD 01-04-16 Changes Accepted.docx

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,,,,,
Hi:

I am not sure what you will be able to look at, access remotely or want to discuss with me this week. I have attached the latest action memo. I have a version where I removed Mark's comments but I couldn't find it. Oleg's questions are below. I can't really answer. I guess what we really need to discuss is where we are at with the revised PRGs.

Thanks

**From:** Povetko, Oleg
**Sent:** Friday, February 05, 2016 6:55 PM
**To:** Daly, Eric <Daly.Eric@epa.gov>
**Cc:** Giardina, Paul <Giardina.Paul@epa.gov>; Ferriola, Mike <Ferriola.Mike@epa.gov>; Debonis, Michael <Debonis.Michael@epa.gov>
**Subject:** NFB DCGLw's

Eric,

I attached Draft Memo with preliminary values of NFB DCGLw's. The Attachment A will come later. The Indoor Worker results are included because Resrad risk calculations yielded slightly higher risk values than for the Composite Worker.

Meanwhile, here are my remaining questions on site characteristics and scenarios that if resolved will help to work further on development of remaining DCGLs.

- Type of soil at the sites, at least approximately, clay, sand etc?

-For the building where composite and indoor workers work: Foundation depth below ground surface

- Thickness of building floor at CR

- Indoor/Outdoor time fraction for Composite worker at CR

- Depths of contamination at CR and HTC

- Mass loading for inhalation for all types of outdoor workers, grave digger and construction

worker. It appears that 1/PEF that was used equals to 3.33E-08 g/m3. This value seems to be too low. PRG calculator lists 7.35E-07 g/m3 as default value in its Users Guide, that seems to come from EPA guidance. It also states that "… the generic PEF evaluates wind-borne emissions and does not consider dust emissions from traffic or other forms of mechanical disturbance that could lead to greater emissions than assumed here..." RESRAD's default is E-04 g/m3, ANL (1993) lists 6E-04 g/m3 for Construction Worker.

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Oleg Povetko, PhD

Health Physicist

Radiation & Indoor Air Branch

U.S. EPA Region 2

290 Broadway

New York, NY 10007-1866

Phone: 212-637-3746

Fax: 212-637-4942